

AMENDMENTS TO CLAIMS

This set of claims replaces all prior versions.

1. (Currently Amended) A non-stick cooking utensil having inner walls, wherein the inner walls have a non-smooth surface with convex units, the height (h) of the units ranges from $20\mu\text{m}$ to $999\mu\text{m}$ and the projection area of the convex units on the surface of the inner wall ranges from $314\mu\text{m}^2$ to $783431\mu\text{m}^2$, wherein each convex unit has a spherical crown shape that includes a spherical portion on top of a cylindrical portion, and a bottom circle diameter (Φ) of the spherical crown ranges from $20\mu\text{m}$ to ~~[[99 μm]]~~ $999\mu\text{m}$, wherein the distribution density of the convex units, defined as the ratio of the total geometrical projection area of the convex units on the base body surface of the inner wall to the area of the base body surface, ranges from 10% to 60%; and wherein an oxidized surface film is formed on the surfaces of the non-smooth convex units.

2. (Canceled)

3. (Withdrawn) The non-stick cooking utensil of claim 1, wherein each convex unit is shaped like a cylinder, and the diameter (Φ) of the cylinder ranges from $20\mu\text{m}$ to $999\mu\text{m}$.

4. (Previously Presented) The non-stick cooking utensil of claim 1, wherein the oxidized surface film is formed by materials selected from the group consisting of phosphor, iron, aluminum, chromium and titanium.

5. (Withdrawn) The non-stick cooking utensil of claim 1, wherein the surface film is a phosphatized film.

6. (Withdrawn) The non-stick cooking utensil of claim 1, wherein the surface film is a metal film having at least one of titanium and chromium, or a nitrided film of metal and nitrogen.

7. (Canceled)